

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/256,631DATE: 07/06/95
TIME: 11:50:51

INPUT SET: S4634.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

H/O

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: Lobb, Roy R.

(ii) TITLE OF INVENTION: Treatment for Asthma

(iii) NUMBER OF SEQUENCES: 4

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: LAHIVE & COCKFIELD

(B) STREET: 60 State Street, Suite 510

(C) CITY: Boston

(D) STATE: Massachusetts

(E) COUNTRY: USA

(F) ZIP: 02109-1875

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/256,631

(B) FILING DATE: 12-JUL-1994

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT/US93/00030

(B) FILING DATE: 12-JAN-1993

(C) APPLICATION NUMBER: US 07/821,768

(D) FILING DATE: 13-JAN-1992

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Myers, Louis (PLM)

(B) REGISTRATION NUMBER: 35,965

(C) REFERENCE/DOCKET NUMBER: D002 CIP PCT (BGP-021US)

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (617)227-7400

(B) TELEFAX: (617)227-5941

(2) INFORMATION FOR SEQ ID NO:1:

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47      (i) SEQUENCE CHARACTERISTICS:
48          (A) LENGTH: 360 base pairs
49          (B) TYPE: nucleic acid
50          (C) STRANDEDNESS: single
51          (D) TOPOLOGY: linear
52
53      (ii) MOLECULE TYPE: cDNA
54
55
56      (ix) FEATURE:
57          (A) NAME/KEY: CDS
58          (B) LOCATION: 1..360
59
60      (ix) FEATURE:
61          (A) NAME/KEY: misc_feature
62          (B) LOCATION: 1
63          (D) OTHER INFORMATION: /note= "pBAG159 insert: HP1/2 heavy
64              chain variable region; amino acid 1 is Glu (E) but
65              Gln (Q) may be substituted"
66
67
68      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
69
70      GTC AAA CTG CAG CAG TCT GGG GCA GAG CTT GTG AAG CCA GGG GCC TCA      48
71      Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
72      1                      5                      10                      15
73
74      GTC AAG TTG TCC TGC ACA GCT TCT GGC TTC AAC ATT AAA GAC ACC TAT      96
75      Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
76      20                      25                      30
77
78      ATG CAC TGG GTG AAG CAG AGG CCT GAA CAG GGC CTG GAG TGG ATT GGA      144
79      Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
80      35                      40                      45
81
82      AGG ATT GAT CCT GCG AGT GGC GAT ACT AAA TAT GAC CCG AAG TTC CAG      192
83      Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
84      50                      55                      60
85
86      GTC AAG GCC ACT ATT ACA GCG GAC ACG TCC TCC AAC ACA GCC TGG CTG      240
87      Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
88      65                      70                      75                      80
89
90      CAG CTC AGC AGC CTG ACA TCT GAG GAC ACT GCC GTC TAC TAC TGT GCA      288
91      Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
92      85                      90                      95
93
94      GAC GGA ATG TGG GTA TCA ACG GGA TAT GCT CTG GAC TTC TGG GGC CAA      336
95      Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
96      100                      105                      110
97
98      GGG ACC ACG GTC ACC GTC TCC TCA      360
99      Gly Thr Thr Val Thr Val Ser Ser

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100 115 120
101
102
103 (2) INFORMATION FOR SEQ ID NO:2:
104
105 (i) SEQUENCE CHARACTERISTICS:
106 (A) LENGTH: 120 amino acids
107 (B) TYPE: amino acid
108 (D) TOPOLOGY: linear
109
110 (ii) MOLECULE TYPE: protein
111
112 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
113
114 Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ala Ser
115 1 5 10 15
116
117 Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Asp Thr Tyr
118 20 25 30
119
120 Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile Gly
121 35 40 45
122
123 Arg Ile Asp Pro Ala Ser Gly Asp Thr Lys Tyr Asp Pro Lys Phe Gln
124 50 55 60
125
126 Val Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Trp Leu
127 65 70 75 80
128
129 Gln Leu Ser Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala
130 85 90 95
131
132 Asp Gly Met Trp Val Ser Thr Gly Tyr Ala Leu Asp Phe Trp Gly Gln
133 100 105 110
134
135 Gly Thr Thr Val Thr Val Ser Ser
136 115 120
137
138 (2) INFORMATION FOR SEQ ID NO:3:
139
140 (i) SEQUENCE CHARACTERISTICS:
141 (A) LENGTH: 318 base pairs
142 (B) TYPE: nucleic acid
143 (C) STRANDEDNESS: single
144 (D) TOPOLOGY: linear
145
146 (ii) MOLECULE TYPE: cDNA
147
148
149 (ix) FEATURE:
150 (A) NAME/KEY: CDS
151 (B) LOCATION: 1..318
152 (D) OTHER INFORMATION: /note= "HP1/2 light chain variable"

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153         region"
154
155     (ix) FEATURE:
156         (A) NAME/KEY: misc_feature
157         (B) LOCATION: 1
158         (D) OTHER INFORMATION: /note= "pBAG172 insert: HP1/2 light
159             chain variable region"
160
161
162     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
163
164     AGT ATT GTG ATG ACC CAG ACT CCC AAA TTC CTG CTT GTT TCA GCA GGA      48
165     Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
166         1             5             10             15
167
168     GAC AGG GTT ACC ATA ACC TGC AAG GCC AGT CAG AGT GTG ACT AAT GAT      96
169     Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
170             20             25             30
171
172     GTA GCT TGG TAC CAA CAG AAG CCA GGG CAG TCT CCT AAA CTG CTG ATA      144
173     Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
174             35             40             45
175
176     TAT TAT GCA TCC AAT CGC TAC ACT GGA GTC CCT GAT CGC TTC ACT GGC      192
177     Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
178             50             55             60
179
180     AGT GGA TAT GGG ACG GAT TTC ACT TTC ACC ATC AGC ACT GTG CAG GCT      240
181     Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
182             65             70             75             80
183
184     GAA GAC CTG GCA GTT TAT TTC TGT CAG CAG GAT TAT AGC TCT CCG TAC      288
185     Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
186             85             90             95
187
188     ACG TTC GGA GGG GGG ACC AAG CTG GAG ATC      318
189     Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
190             100             105
191
192
193     (2) INFORMATION FOR SEQ ID NO:4:
194
195         (i) SEQUENCE CHARACTERISTICS:
196             (A) LENGTH: 106 amino acids
197             (B) TYPE: amino acid
198             (D) TOPOLOGY: linear
199
200         (ii) MOLECULE TYPE: protein
201
202     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
203
204     Ser Ile Val Met Thr Gln Thr Pro Lys Phe Leu Leu Val Ser Ala Gly
205         1             5             10             15

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206
207 Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Ser Val Thr Asn Asp
208 20 25 30
209
210 Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
211 35 40 45
212
213 Tyr Tyr Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
214 50 55 60
215
216 Ser Gly Tyr Gly Thr Asp Phe Thr Phe Thr Ile Ser Thr Val Gln Ala
217 65 70 75 80
218
219 Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln Asp Tyr Ser Ser Pro Tyr
220 85 90 95
221
222 Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile
223 100 105
224
225

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SEQUENCE VERIFICATION REPORT
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Original Text